



Australian Bureau of Statistics

1216.0.15.002 - Australian Standard Geographical Classification (ASGC) Correspondences, July 2010

Previous ISSUE Released at 11:30 AM (CANBERRA TIME) 16/07/2010

Summary

Main Page

2010 ASGC AREA BASED CORRESPONDENCES

The Australian Standard Geographical Classification (ASGC) is a hierarchical classification system of geographical areas and consists of a number of interrelated structures. It provides a common framework of statistical geography and enables the production of statistics which are comparable.

The ASGC 2010 has a date of effect of 1 July 2010.

The product **Australian Standard Geographical Classification (ASGC) Correspondences** (cat. no. 1216.0.15.002) contains four separate correspondence files (previously known as concordance files). These files are comma delimited and include metadata information that shows the file format.

Further information can be obtained from the Geography Section by emailing **geography@abs.gov.au**.

2010 ASGC Structures Correspondence

This file shows the relationship of the Statistical Local Area (SLA) within the 2010 ASGC Structures. This includes the Main Structure, the Statistical District Structure, the Statistical Region Structure and the Local Government Area Structure.

2010 LGA from 2010 SLA Correspondence

This file allows the conversion of data from the ASGC Edition 2010 Statistical Local Areas (SLA) to 2010 Local Government Areas (LGA). This area based correspondence can be used to translate statistics aggregated by SLA to LGA aggregations.

2010 SLA from 2006 CD Correspondence

This file allows the conversion of data from the 2006 Collection Districts (CD) to ASGC Edition 2010 Statistical Local Areas (SLA). This area based correspondence can be used to translate statistics aggregated by CD to SLA aggregations.

2010 SLA from 2009 SLA Correspondence

This file allows the conversion of data from the 2009 Statistical Local Areas (SLA) to ASGC Edition 2010 Statistical Local Areas (SLA). This area based correspondence can be used to

translate statistics aggregated by 2009 SLA to 2010 SLA aggregations.

For more information on statistical geography please view the [ABS Geography](#) portal.

Product Brief

2010 CORRESPONDENCES PRODUCT BRIEF

Introduction

The Australian Bureau of Statistics (ABS) provides a set of standard correspondence files that enable users to convert data for one type of geographic area to another.

For 2010 the standard correspondences available are:

2010 LGA from 2010 SLA

2010 SLA from 2006 CD

2010 SLA from 2009 SLA

These files are area based correspondences. They provide a ratio of the area of overlap calculated using a GIS system. For example, a 2010 SLA may be made up of 90% of one 2009 SLA plus 35% of another 2009 SLA.

The file naming is expressed in the form of "to area" = "from area" multiplied by a ratio.

File Naming Convention

Character and Meaning

Character	Meaning
1	C = Correspondence
2	A = Area Based Correspondence
3-6	Year of To Area
7-9	Type of To Area eg.SLA*
10	—
11-14	Year of From Area
15-17	Type of From Area eg.SLA*

* in some cases the Area type is two characters, eg "CD", adjust character count appropriately

For Example

CA2010SLA_2006CD.txt is the text file containing the information concurring 2006 Census Collection Districts to 2010 SLAs based on the area correspondence principal.

Note. These files are sometimes known as a CD 2006 to SLA 2010 correspondence, but the ABS express these in the format of 2010SLA from 2006CD because this is the order the data appears in the file.

File Format

Correspondence files are comma-delimited text files.

Field Name	Type
To Area Code	Character
To Area Name	Character
From Area Code	Character
From Area Name	Character
Ratio	Number
Percent	Number

Field Names will vary from file to file but are consistent in nature. The field name is constructed from the area type and date. For example the code field from the 2010 SLA file will have the name "SLA_2010_Code", and the name field from the 2010 SLA file will have the name "SLA_2010_Name". It is important to note the placement/ positioning convention as it is similar to the file naming convention.

Percentage - figures expressed as a percentage ranges from 0 to 100.

Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - 4.77810788750317e-04 which is 0.000477810788750317

An Example

An example of an SLA 2005 to SLA 2006 area based correspondence file would be.

"SLA_2006_Code","SLA_2006_Name","SLA_2005_Code","SLA_2005_Name","Ratio","Percent"

105051100,Botany Bay (C),105051100,Botany Bay (C),0.9795,97.95

105051100,Botany Bay (C),105055200,Marrickville (A),1.4989195026137e-04,0.01

105051100"Botany Bay (C),105106550,Randwick (C),4.77810788750317e-04,0.04

The estimated value for Botany (2006) from 2005 SLA data would be:

105051100 (Botany Bay) = 105055200 (Botany Bay) data multiplied by 0. 9795

plus

105051100 (Botany Bay) = 105055200 (Marrickville) data multiplied by 0.0001

plus

105051200 (Botany Bay) = 105106550 (Randwick) data multiplied by 0.0004

Copyright Commonwealth of Australia administered by the ABS

For enquiries please contact the ABS Geography Section, see details below.

ABS Geography Section

Email: geography@abs.gov.au

July 2010

2010 Australian Standard Geographical Classification Structures Correspondence

2010 AUSTRALIAN STANDARD GEOGRAPHICAL CLASSIFICATION (ASGC) STRUCTURES CORRESPONDENCE

This file shows the relationship of the Statistical Local Area (SLA) within the 2010 ASGC Structures: the Local Government Area Structure, the Main Structure, the Statistical District Structure and the Statistical Region Structure. The file contains a total of 1,397 records. Off-Shore Areas & Migratory SLAs are included in this count.

File Name: 'ASGC2010_Structures.txt'

Format: ASCII, comma delimited

ASGC Edition 2010 - date of effect 1 July 2010

Record Structure

Field	Name	File Abbreviation
1	Statistical Local Area Maincode 2010	SLA_MAINCODE_2010
2	Statistical Local Area Name 2010	SLA_MAINCODE_2010
3	Statistical Local Area 5 Digitcode 2010	SLA_5DIGITCODE_2010
4	Statistical Subdivision Code 2010	SSD_CODE_2010
5	Statistical Subdivision Name 2010	SSD_NAME_2010
6	Statistical Division Code 2010	SD_CODE_2010
7	Statistical Division Name 2010	SD_NAME_2010
8	State Code 2010	STATE_CODE_2010
9	State Name 2010	STATE_NAME_2010
10	Statistical District Code 2010	SDIST_CODE_2010
11	Statistical District Name 2010	SDIST_NAME_2010
12	Major Statistical Regions Code 2010	MSR_CODE_2010
13	Major Statistical Regions Name 2010	MSR_NAME_2010
14	Statistical Regions Code 2010	SR_CODE_2010
15	Statistical Regions Name 2010	SR_NAME_2010
16	Statistical Regions Sector Code 2010	SRS_CODE_2010

17	Statistical Regions Sector Name 2010	SRS_NAME_2010
18	SLA Region Code 2010	SLA_REGIONCODE_2010
19	Local Government Area Code 2010	LGA_CODE_2010
20	Local Government Area Name 2010	LGA_NAME_2010

Copyright Commonwealth of Australia administered by the ABS.

2010 LGA from 2010 SLA Correspondence (LGA_SLA)

LOCAL GOVERNMENT AREA 2010 (LGA) FROM STATISTICAL LOCAL AREA 2010 (SLA) CORRESPONDENCE

This file identifies which 2010 LGAs comprise of which SLAs in 2010. This file comprises of 1,389 records. Off-Shore Areas and Migratory SLAs are not included.

Format: ASCII, comma delimited.

File name CA2010LGA_2010SLA.txt.

Record Structure

Field Name

1 Local Government Area Code 2010 ("LGA_2010_CODE")

2 LGA Name 2010 ("LGA_2010_NAME")

3 Statistical Local Area Code 2010 ("SLA_2010_CODE")

4 SLA Name 2010 ("SLA_2010_NAME")

5 Ratio

6 Percent

Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - 4.77810788750317e-04 which is 0.000477810788750317

Percentage - figure expressed as a percentage ranges from 100 to 0

Copyright Commonwealth of Australia administered by the ABS.

2010 SLA from 2006 CD Correspondence (SLA_CD)

2010 STATISTICAL LOCAL AREA FROM 2006 COLLECTION DISTRICTS CORRESPONDENCE

This file identifies which 2010 SLAs comprise of which 2006 CDs.

The file contains a total of 42,151 records. Off-shore, Shipping and Migratory CDs and

Water CDs are not included in this count.

File Name: 'CA2010SLA_2006CD.txt'

Format: ASCII, comma delimited

Record Structure

Field Name

1 Statistical Local Area 2010 Code ("SLA_2010_Code")

2 Statistical Local Area 2010 Name ("SLA_2010_Name")

3 Collection District 2006 Code ("CD_2006_Code")

4 Collection District 2006 Name ("CD_2006_Name")

5 Ratio

6 Percent

Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - 4.77810788750317e-04 which is 0.000477810788750317

Percentage - figure expressed as a percentage ranges from 100 to 0

Copyright Commonwealth of Australia administered by the ABS.

2010 SLA from 2009 SLA Correspondence (SLA_SLA)

ASGC 2010 FROM ASGC 2009 STATISTICAL LOCAL AREA (SLA) CORRESPONDENCE

This file assists in the conversion of 2010 SLAs from 2009 SLAs. This file contains a total of 1,642 records. Off-shore Areas and Migratory SLAs are not included.

File Name: 'CA2010SLA_2009SLA.txt'

Format: ASCII comma delimited

Record Structure

Field Name

1 Statistical Local Area 2010 Code ("SLA_2010_Code")

2 Statistical Local Area 2010 Code ("SLA_2010_Name")

3 Statistical Local Area 2009 Code ("SLA_2009_Code")

4 Statistical Local Area 2009 Name ("SLA_2009_Name")

5 Ratio

6 Percentage

Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - 4.77810788750317e-04 which is 0.000477810788750317

Percentage - figure expressed as a percentage ranges from 100 to 0

Copyright Commonwealth of Australia administered by the ABS.

About this Release

These correspondences consist of 4 zipped comma delimited files for the current edition of the ASGC. These are: previous Census Collection District to current SLA correspondence; current SLA to current LGA correspondence, previous year SLA to current SLA correspondence; and a hierarchy list of all levels of the current ASGC edition. These correspondences do not calculate between the ASGC and non-ASGC Geographies such as Postcodes.

Further information may be obtained from Geography by emailing geography@abs.gov.au

© Commonwealth of Australia

All data and other material produced by the Australian Bureau of Statistics (ABS) constitutes Commonwealth copyright administered by the ABS. The ABS reserves the right to set out the terms and conditions for the use of such material. Unless otherwise noted, all material on this website – except the ABS logo, the Commonwealth Coat of Arms, and any material protected by a trade mark – is licensed under a Creative Commons Attribution 2.5 Australia licence